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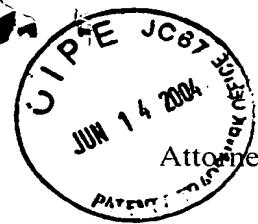
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Attorney Docket No. 5649-1270

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Se-ho Lee  
Serial No.: 10/807,077  
Filed: March 23, 2004  
For: **LOW-CURRENT AND HIGH-SPEED PHASE-CHANGE MEMORY  
DEVICES AND METHODS OF DRIVING THE SAME**

Group Art Unit: 2824  
Confirmation No.: 4066

June 10, 2004

Office of Patent Legal Administration  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**PETITION TO ACCORD THE PROPER FILING DATE**

Sir:

As set forth in 37 CFR § 1.10(c) and MPEP § 506.02, Applicant hereby petitions to grant the proper filing date of March 23, 2004 rather than March 22, 2004 for the above-identified patent application as this was the date the application was deposited as "Express Mail" in the U.S. Postal Service. The following is enclosed as evidence of March 23, 2004 being the correct filing date for the application, which was properly filed under 37 C.F.R. § 1.10:

1. A true and accurate copy of the Cover Sheet for the Application showing the Express Mail signature and date on Page 2;
2. A true and accurate copy of the Express Mail Receipt along with a copy of the USPS-Track & Confirm from the web page ([www.usps.com](http://www.usps.com)) , showing "acceptance" or deposit date with the USPS at 5:43 p.m. on March 23, 2004; and
3. A true and accurate copy of our return post card and of the official filing receipt for this application, sent by the United States Patent and Trademark Office, showing that Applicant was improperly given the filing date of March 22, 2004 instead of the Express Mail date of March 23, 2004.

In re: Se-ho Lee  
Serial No.: 10/807,077  
Filed: March 23, 2004  
Page 2

This petition is being filed promptly after Applicant became aware of the improperly accorded filing date. Accordingly, Applicant respectfully requests the granting of March 23, 2004 as the filing date pursuant to 37 CFR § 1.10.

On the basis that Applicant properly followed the requirements of 37 CFR § 1.10 and the USPTO failed to accord the proper filing date under MPEP § 505 and thus the need to file this petition is due to error on the part of the USPTO, it is applicant's belief that no fee is due with this petition. However, the Commissioner is authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.

Respectfully submitted,

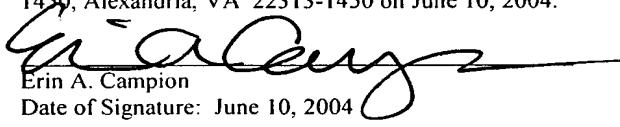


Timothy J. O'Sullivan  
Attorney For Applicant  
Registration No. 35,632

**USPTO Customer No. 20792**  
Myers Bigel Sibley & Sajovec  
Post Office Box 37428  
Raleigh, North Carolina 27627  
Telephone: 919/854-1400  
Facsimile: 919/854-1401

**Certificate of Mailing under 37 CFR 1.8**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Office of Patent Legal Administration, Commissioner for Patents, P.O. Box 1459, Alexandria, VA 22313-1450 on June 10, 2004.



Erin A. Campion  
Date of Signature: June 10, 2004

DPC

Page 1 of 2



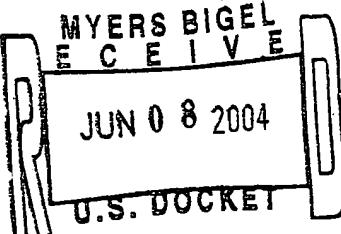
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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE RECD	ATTY.DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/807,077	03/22/2004	2824	1406	5649-1270	9	41	6

Timothy J. O'Sullivan  
 Myers Bigel Sibley & Sajovec  
 Post Office Box 37428  
 Raleigh, NC 27627



CONFIRMATION NO. 4066  
 FILING RECEIPT



\*OC000000012869650\*

Date Mailed: 06/04/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

**Applicant(s)**

Se-ho Lee, Seoul, KOREA, REPUBLIC OF;

**Domestic Priority data as claimed by applicant****Foreign Applications**

REPUBLIC OF KOREA 10-2003-0021419 04/04/2003

**If Required, Foreign Filing License Granted:** 06/03/2004**Projected Publication Date:** 10/07/2004**Non-Publication Request:** No**Early Publication Request:** No

06-07-04 A09:28 IN

**Title**

Low-current and high-speed phase-change memory devices and methods of driving the same

**Preliminary Class**

365

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Title 37, Code of Federal Regulations, 5.11 & 5.15**

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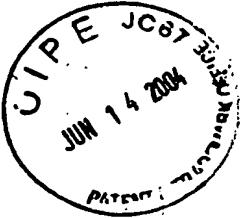
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

ATTY DOCKET NO.: 5649-1270  
DATE: March 23, 2004

**UTILITY PATENT APPLICATION TRANSMITTAL LETTER  
AND FEE TRANSMITTAL FORM (37 CFR § 1.53(b))**

Mail Stop PATENT APPLICATION

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 CFR § 1.53(b) is:

a patent application  
 a Continuation     a Divisional     a Continuation-in-Part (CIP)    Application of prior application no.: \_\_\_\_\_; filed \_\_\_\_\_, the disclosure of which is incorporated herein by reference in its entirety.  
 and claims priority to Korean Patent Application Serial No. 10-2003-0021419; filed April 4, 2003.

Inventor(s) or Application Identifier:

**Se-ho Lee**

Entitled: **LOW-CURRENT AND HIGH-SPEED PHASE-CHANGE MEMORY DEVICES AND METHODS OF DRIVING THE SAME**

Myers Bigel Sibley & Sajovec, P.A.  
P. O. Box 37428  
Raleigh, North Carolina 27627  
Telephone: (919) 854-1400  
Facsimile: (919) 854-1401  
Customer No. 20792

Enclosed are:

1.  Application Transmittal Letter and Fee Transmittal Form (*A duplicate is enclosed for fee processing*)
2.  22 pages of Specification (including 41 claims)
3.  9 sheet of Formal Drawings (35 USC 113)
4.  Oath or Declaration.
  - a.  newly executed (*original or copy*)
  - b.  copy from prior application (37 CFR 1.63(d)) (*for continuation/divisional*) |Note Box 6 Below|
  - c.  DELETION OF INVENTOR(S) (*Signed statement deleting inventor(s) named in the prior application*)
5.  Application Data Sheet. See 37 CFR 1.76
6.  Incorporation By Reference (*useable if box 4b is checked*)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
7.  Microfiche Computer Program (*Appendix*)

8.  Assignment papers (*cover sheet(s) and document(s)*)  
 9.  Applicant claims small entity status. See 37 CFR § 1.27.  
 10.  Information Disclosure Statement, PTO-1449, and \_\_\_\_\_ reference(s) cited  
 11.  Preliminary Amendment (*Please enter all claim amendments prior to calculating the filing fee.*)  
 12.  English Translation Document  
 13.  Certified Copy of Korean Application No. 10-2003-0021419 Filed April 4, 2003  
 14.  Sequence Listing/ Sequence Listing Diskette
 

- a.  computer readable copy
- b.  paper copy
- c.  statement in support

 15.  An Associate Power of Attorney  
 16.  Return Receipt Postcard (MPEP 503). (*Should be specifically itemized*)  
 17.  Other:

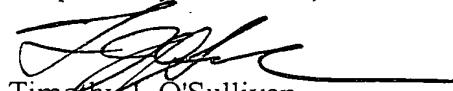
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 The Commissioner is hereby authorized to credit overpayments or charge the following fees associated with this communication to Deposit Account No. 50-0220:
 

- a.  Additional filing fees under 37 CFR 1.16 for presentation of extra claims.
- b.  Additional patent application processing fees under 37 CFR 1.17.

Respectfully submitted,



Timothy J. O'Sullivan  
Registration No. 35,632

#### CERTIFICATE OF EXPRESS MAILING

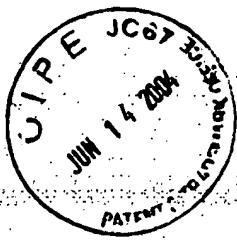
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TJB/HB

Date: 3/23/04  
Doc. No. 5049-1270  
Serial No. 10  
Inventor: Se-ho Lee

Sir: Kindly acknowledge receipt of the accompanying items listed below by placing your receiving stamp hereon and return mailing:

Application Transmittal and: 22  
 Specification pages 22  
 No. of Claims 41  
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Respectfully submitted,  
MYERS BIGEL SIBLEY & SAJOVEC, P.A.  
Attorneys for Applicant